

148 ZERM RD  
SAN ANTONIO, TEXAS 78214

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| PROJECT DESIGNER:<br><br>IDEA STUDIO<br>JAIME A. JIMENEZ<br>Phone: (210) 279-6916       |
| CS COVER SHEET.<br>A1.0 FLOOR PLAN.<br>A2.0 ELECTRICAL PLAN<br>A3.0 EXTERIOR ELEVATIONS |

BUILDING CODE INFO

LOCATION

148 ZERM RD.  
SAN ANTONIO, TEXAS 78214

APPLICABLE CODE:

2021 INTERNATIONAL RESIDENTIAL CODE  
2021 INTERNATIONAL ENERGY CONSERVATION CODE  
UNIFIED DEVELOPMENT CODE  
2023 NATIONAL ELECTRICAL CODE

BUILDING INFO

AREAS

MAIN HOUSE

LIVING AREA = 1,078 SF  
FRONT PORCH = 67 SF  
COVERED PATIO = 120 SF

SLAB AREA = 1,265 SF



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210.279.6916

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CONSTRUCTION GENERAL NOTES

GENERAL NOTES

- ALL DIMENSION ARE TO THE FACE OF WOOD STUDS, FACE OF C.M.U., EXTERIOR WALL FACES OR COLUMN CENTER LINES UNLESS SPECIFIED OTHERWISE.
- PROVIDE SOLID WOOD BLOCKING AT ALL DRYWALLS BEHIND PLUMBING FIXTURES, ACCESS DOORS, HANDRAILS, GRAB BARS, WOOD SHELVING, ELECTRIC DRINKING FOUNTAINS, ETC. AS REQUIRED TO RIGIDLY ANCHOR EACH ITEM. CONTRACTOR SHALL VERIFY & COORDINATE BLOCKING.
- INCREASE WALL THICKNESS AS REQUIRED AT PLUMBING CHASES, MECHANICAL & ELECTRICAL PANELS.
- GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS. CONTRACTOR TO NOTIFY ENGINEER OF RECORD IMMEDIATELY IF SITE CONDITIONS OR DIMENSIONS DISAGREE WITH INFORMATION SHOWN ON THE DRAWINGS. WORK IS NOT PROCEED UNTIL SUCH DIFFERENCES ARE RESOLVED. ALL DIMENSION ARE BASED UPON EXISTING CONDITIONS, SOME MINOR VARIATIONS ARE TO BE EXPECTED. THE CONTRACTOR SHALL LAY OUT ALL NEW CONSTRUCTION TO COORDINATE THESE DRAWINGS WITH ACTUAL CONDITIONS.
- CONTINUE WALL TYPE AND FINISHES ABOVE ALL DOORS AND WINDOWS.
- ALL WOOD STUDS ARE AT 16" O.C. TYPICALLY
- THE EXTERIOR ENVELOPE SHALL BE FILLED WITH INSULATION AS SPECIFIED AS WELL AS ANY WALL THAT HAS INSULATION INDICATED ON PLANS, SECTIONS OR DETAILS.
- ALL GYPSUM WALL BOARD OCCURRING FULL HEIGHT ABOVE THE CEILINGS ARE TO BE TAPED AND FLOATED, IN ORDER TO BE REDUCE SOUND TRANSMISSION.
- ALL FOAM PLASTICS USED IN BUILDING CONSTRUCTION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 75 AND SHALL HAVE A SMOKE DEVELOPED RATING OF NOT MORE THAN 450 WHEN TESTED IN THE MAXIMUM THICKNESS INTENDED FOR USE IN ACCORDANCE WITH U.B.C. STANDARD #42-1.  
NOTE: OR IN ADDITION TO ANY OTHER APPLICABLE PROVISIONS IN GOVERNING CODES.
- WOOD STUDS ANCHORAGE.  
A. ALL METAL RUNNERS FOR WOOD STUDS WALLS SHALL BE ANCHORED TO THE FLOOR SLAB WITH POWER DRIVEN ANCHORS .0177 MINIMUM SHANK DIAMETER SPACED 16" O.C. WITH A MINIMUM PENETRATION OF 1-7/16" INTO CONCRETE.  
B. ANCHOR STUDS TO RUNNERS WITH #10-HH SCREWS ON EACH SIDE.
- EXIT SIGNS LOCATIONS SHALL BE VERIFIED WITH THE BUILDING INSPECTOR DURING CONSTRUCTION AND WITH BUILDING CODE. SEE ELECTRICAL DRAWING FOR LOCATIONS.
- DOOR REMARKS:  
A. CAULK BOTH SIDES OF ALL DOOR FRAMES AND GLASS FRAMES, WINDOWS AND LOUVERS.  
B. COORDINATE DOOR DETAILS, WALLTYPES, AND WALL FINISHES FOR JAMB THICKNESS AND WALL MATERIALS.  
C. PANIC HARDWARE IS REQUIRED AT ALL EXIT DOORS IN ACCORDANCE WITH LOCAL BUILDING CODE. SEE SPECIFICATIONS FOR ACTUAL HARDWARE SPECS.
- SEAL ALL OPENINGS THROUGH WALLS OF MECHANICAL ROOMS AND EXIT CORRIDORS INCLUDING BOTH SIDES OF COLUMNS, UNDER DECK CORRUGATIONS, PIPE CHASES, ETC.
- BUILDING INSULATION NOTE:  
ALL INSULATION MATERIALS INCLUDING FACINGS, SUCH AS VAPOR BARRIERS OR BREATHER PAPERS INSTALLED WITHIN FLOOR-CEILING ASSEMBLIES, ROOF-CEILING ASSEMBLIES, WALLS, CRAWLS PACES, OR ATTICS SHALL HAVE A FLAME-SPREAD RATING NOT TO EXCEED 25 AND A SMOKE DENSITY NOT TO EXCEED 450 WHEN TESTED IN ACCORDANCE WITH U.B.C. STANDARD #42-2.
- MAKE ALLOWANCE FOR HORIZONTAL AND VERTICAL MOVEMENT WHEREVER INTERIOR PARTITIONS COME IN CONTACT WITH EXTERIOR WALLS OR STRUCTURAL COLUMNS.
- ALL MATERIALS SHALL BE INSTALLED PER MANUFACTURE'S SPECIFICATIONS.

- SOME OF THE GENERAL NOTES BELOW ARE MAY NOT APPLY FOR RESIDENTIALPROJECTS. CONTRACTOR MAY OMIT THOSE NOT APPLICABLE.
- ALL GENERAL NOTES BELOW APPLY TO COMMERCIAL PROJECTS. CONTRACTOR SHALL NOT OMIT ANY OF THEM.
- CONTRACTOR IS RESPONSIBLE TO SEE THAT ALL WORK IN FIELD IS DONE IN ACCORDANCE W/ ALL CURRENT APPLICABLE NATIONAL STATE AND LOCAL CODES, ORDINANCES AND REQUIREMENTS BY GOVERNING AGENCIES, WHETHER OR NOT SAID CODES ORDINANCES, REQUIREMENTS, ETC . ARE SPECIFICALLY SHOWN ON DRAWINGS AND/OR CALLED FOR IN SPECIFICATIONS.
- CONSTRUCTION MATERIAL, ASSEMBLIES AND PROCEDURES ARE TO COMPLY W/ LOCALLY ADOPTED BUILDING CODES AND SUPPLEMENTARY ORDINANCES. WHEN A CONFLICT OCCURS BETWEEN SUCH LOCAL CODE AND INFORMATION SHOWN ON THE PLANS, CONSULT COMPANY REPRESENTATIVE OR DESIGNER FOR RESOLUTION PRIOR TO COMMENCING WORK.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING JURISDICTIONS AS REQUIRED FOR INSPECTIONS AND SHALL PAY INSPECTION FEES ASSOCIATED WITH THE WORK.
- THE G.C. SHALL APPLY FOR ALL PERMITS WHICH INVOLVE DRAWING SUBMITTAL AND PROCESSING: BUILDING, ELECTRICAL, MECHANICAL, PLUMBING, FIRE, AND ENVIRONMENTAL HEALTH PERMITS. THE GENERAL CONTRACTOR SHALL PICK UP THESE PERMITS AND PAY FOR THE PERMIT FEES.
- THE GENERAL CONTRACTOR SHALL PROVIDE BARRICADES AND SAFETY SIGNS PER OSHA REQUIREMENTS, AND CONTROLS OF ALL NEW AND MODIFIED AIR, WATER, AND ELECTRICAL SYSTEMS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OVERALL CONSTRUCTION SITE CLEANLINESS, INCLUDING PROVISION OF A DEBRIS BOX WITH WEEKLY SERVICING, REMOVAL OF ALL CONTRACTOR / SUBCONTRACTOR REFUSE AND DEBRIS, AND SWEEPING OF THE ENTIRE YARD AREA AT THE COMPLETION OF THE WORK. UNLESS STATED OTHERWISE, ALL OTHER PROCEDURES, TESTING, MATERIALS AND EQUIPMENT SHOWN ON THE PLANS SHALL BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR.
- DRAWINGS SHALL NOT BE SCALED. N.T.S. INDICATES "NOT TO SCALE" AND THE LISTED DIMENSION SHALL GOVERN.
- EACH CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF DAMAGE TO THE WORK OF OTHER TRADES CAUSED BY HIS OPERATIONS. THE NATURE OF SUCH REPAIR WORK MUST RECEIVE THE PRIOR APPROVAL OF THE COMPANY REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS AND FACILITIES TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL REPAIR AND/OR REPLACE AT CONTRACTOR'S EXPENSE, ANY EXISTING ITEMS AND FACILITIES TO REMAIN THAT ARE DAMAGED BY CONTRACTORS OPERATIONS TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- ANY CHANGES IN PLAN ARRANGEMENT OR DETAILING AND SPECIFIC INSTRUCTIONS FOR THE PROJECT WITHOUT PRIOR WRITTEN NOTIFICATION AND APPROVAL BY THE ENGINEER OF RECORD WILL VOID ANY OBLIGATIONS AND LIABILITIES SET FORTH BY THE OWNER AND THE ENGINEER OF RECORD.
- IF ANY SUBSTITUTIONS ARE PROPOSED AND APPROVED FOR SPECIFIC MATERIAL OR EQUIPMENT, THE GENERAL CONTRACTOR AND HIS SUBCONTRACTORS WILL BE RESPONSIBLE FOR ALL COORDINATION INCLUDING HVAC, PLUMBING AND ELECTRICAL.
- ANY CONTRACTOR WHOSE WORK REQUIRES PENETRATION OF THE ROOFING SYSTEM SHALL COORDINATE W/ ROOFING CONTRACTOR TO INSURE ROOF WARRANTY.

- CONSTRUCTION SHALL COMPLY TO ALL ADA (AMERICAN DISABILITIES ACT) REQUIREMENTS AND GUIDELINES FOR BUILDING AND FACILITIES PER CURRENT CLEARANCES, ACCESSORIES, ETC. (NOT APPLICABLE FOR RESIDENTIAL)
- ANY CONTRACTOR WHOSE WORK REQUIRES PENETRATION OR ATTACHMENT TO THE EXTERIOR FACADE SHALL FLASH, AND SEAL SUCH WORK TO INSURE WALL SYSTEM WARRANTY.
- DOOR HARDWARE HANDLES, KNOBS, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES SHALL BE MOUNTED NO HIGHER THAN 38 INCHES ABOVE FINISH FLOOR AND HAVE HANDICAPPED ACCESSIBLE LEVER HANDLE HARDWARE, UNLESS OTHERWISE NOTED. THE FORCE REQUIRED TO ACTIVATE DOOR HARDWARE SHALL BE NO GREATER THAN 5.0 LB. OTHER ALLOWABLE HARDWARE DESIGNS INCLUDE BUT ARE NOT LIMITED TO PUSH-TYPE MECHANISMS, AND U-SHAPED HANDLES. INSTALL THESE ONLY WHEN SCHEDULED. WHEN SLIDING DOORS ARE FULLY OPEN, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. (NOT APPLICABLE FOR RESIDENTIAL)
- DOOR CLOSURES: IF A DOOR IS SCHEDULED TO HAVE A CLOSER, THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST THREE SECONDS TO MOVE TO A POINT OF APPROXIMATELY 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR. (NOT APPLICABLE FOR RESIDENTIAL).
- DOOR OPENING FORCE: THE MAXIMUM FORCE FOR PUSHING, OR PULLING OPEN A DOOR SHALL COMPLY WITH THIS PARAGRAPH. FOR HINGED DOORS: THE FORCE SHALL BE APPLIED PERPENDICULAR TO THE DOOR AT THE DOOR OR 30 INCHES FROM THE HINGED SIDE. WHICHEVER IS FARTHER FROM THE HINGE.  
  
FOR SLIDING OR FOLDING DOORS:  
THE FORCE SHALL BE APPLIED PARALLEL TO THE DOOR AT THE DOOR PULL OR LATCH.  
  
A. EXTERIOR HINGED DOORS SHALL NOT EXCEED 8.5 LBF. LIGHT INCREASES IN OPENING FORCE SHALL BE ALLOWED WHERE 8.5 LBS IS INSUFFICIENT TO COMPENSATE FOR AIR PRESSURE DIFFERENTIALS.  
B. FIRE DOORS MAY BE ADJUSTED TO MEET THE MINIMUM OPENING FORCE ALLOWED BY THE GOVERNING AUTHORITY OR APPLICABLE BUILDING CODE.
- CONTROLS AND OPERATING MECHANISMS.  
  
A. GENERAL ALL CONTROLS AND DEVICES HAVING MECHANICAL OR ELECTRICAL OPERATING MECHANISMS WHICH ARE EXPECTED TO BE OPERATED BY OCCUPANTS, VISITORS, OR OTHER USERS OF A BUILDING OR FACILITY, SHALL COMPLY WITH TEXAS DEPARTMENT OF LICENSING AND REGULATIONS (TDLR) FOR HEIGHT LIGHT SWITCHES, ALARM ACTIVATING UNITS, VENTILATORS ELECTRICAL OUTLETS, ETC.  
  
B. HEIGHT: THE HIGHEST OPERABLE PART OF ALL CONTROLS, DISPENSERS, RECEIPT AND OTHER OPERABLE SHALL BE MOUNTED 12 INCHES (MIN) ABOVE THE FLOOR.  
  
C. OPERATION, CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 8.0 LBF.
- PROVIDE WOOD BLOCKING AT ALL SCHEDULED CHALK AND TACK BOARDS, WALL SHELVING, PLUMBING, FIXTURES, ACCESS DOORS, HANDRAILS AND GRAB BARS, ALL WOOD BLOCKING AND FURRING TO BE FIRE RETARDANT.
- CONTRACTOR SHALL REFER TO ELECTRICAL DRAWINGS IN THESE DOCUMENTS FOR ALL WIRING AND CONNECTION SPECIFICATIONS, CIRCUITING, SWITCHING AND LIGHT FIXTURE RELOCATION.
- REFER TO MECHANICAL DRAWINGS IN THESE DOCUMENTS FOR ALL INFORMATION REFERENCING DUCTWORK, DIFFUSER LOCATIONS, THERMOSTAT LOCATIONS, FIRE DAMPERS, ETC. OR ANY OTHER ITEMS MECHANICALLY RELATED.

COVER SHEET



148 ZERM RD  
SAN ANTONIO, TEXAS 78214

| DESCRIPTION | DATE | No. |  |  |  |
|-------------|------|-----|--|--|--|
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|--------------------------|
| DRAWN<br>JJ              |
| CHECKED<br>JJ            |
| DATE<br>07/31/24         |
| PROJECT<br>NEW RESIDENCE |
| JOB. NO.<br>24050        |
| SHEET                    |

CS

**WALL LEGEND:**

-  EXTERIOR WALL - 2X4 WOOD STUDS # 1/2" O.C. WITH 5/8" GYPSUM BOARD INSIDE # 5/8" DENS GLASS GOLD SHEATHING OUTSIDE (OR SIMILAR).
-  INTERIOR WALL - 2X4 WOOD STUDS # 1/2" O.C. WITH 5/8" GYPSUM BOARD ON BOTH SIDES.

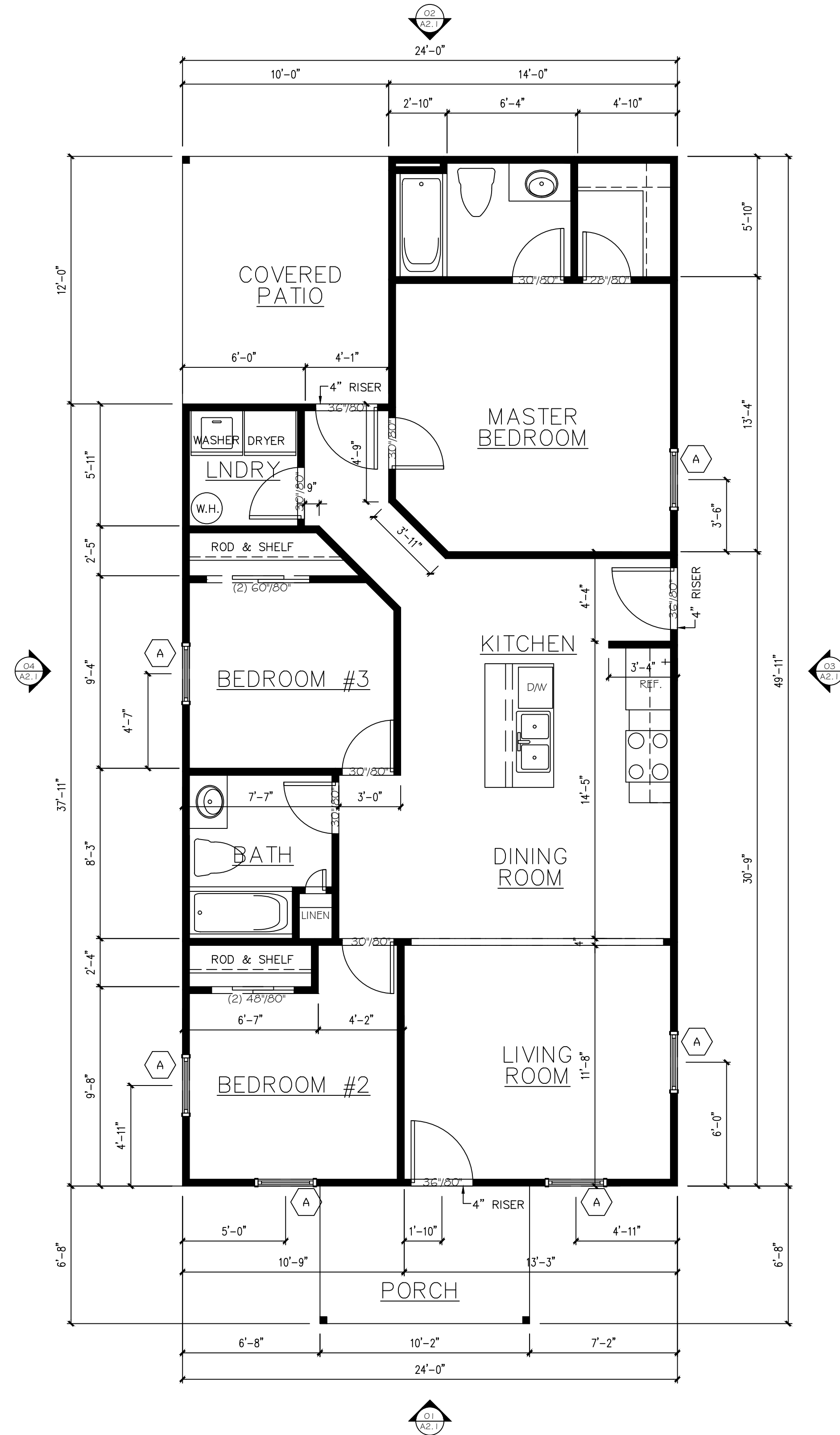
**GENERAL NOTES:**

1. GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE JOB SITE BEFORE COMMENCING ANY PHASE OF THE WORK. ADJUSTMENTS FOR FIT AND COORDINATION SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER. NOTIFY DESIGNER OF ANY CONFLICTS, DISCREPANCIES OR OMISSIONS PRIOR TO COMMENCEMENT OF THE CONTRACT WORK.
2. ALL EXTERIOR DIMENSIONS ARE FROM FACE OF WALL UNLESS OTHERWISE NOTED. VERIFY DIMENSIONS OF EXISTING HOUSE.
3. SUPPLY AND RETURN DUCTS IN ATTIC SHALL BE INSULATED TO A MINIMUM OF R-8 WHERE 3" IN DIAMETER AND GREATER AND R-6 WHERE LESS THAN 3" IN DIAMETER. SUPPLY AND RETURN DUCTS IN OTHER PORTIONS OF THE BUILDING SHALL BE INSULATED TO A MINIMUM OF R-6 WHERE 3" IN DIAMETER OR GREATER AND R4.2 WHERE LESS THAN 3" IN DIAMETER.



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**01 FLOOR PLAN**  
SCALE: 1/4"=1'-0"

FLOOR PLAN

148 ZERM RD  
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| No. | DATE | DESCRIPTION |
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**A1.0**

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ELECTRICAL PLAN  
148 ZERM RD  
SAN ANTONIO, TEXAS 78214

| No. | DATE | DESCRIPTION |
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| JOB. NO. | 24050         |
| SHEET    |               |

A2.0

**ELECTRICAL NOTES**

PER THE 2020 NATIONAL ELECTRIC CODE 210.12 ARC FAULT CIRCUITS SHALL BE LOCATED IN ALL LIVING AREAS.

NOTE:  
DWELLINGS WITH FOSSIL-FUEL-BURNING APPLIANCES, FIREPLACE OR AN ATTACHED GARAGE SHALL HAVE APPROVED OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET OF EACH ROOM USED FOR SLEEPING PURPOSES.

1. PREWIRE FOR SECURITY SYSTEM AND INTERCOM SYSTEM.
2. INSTALL RG-6 COAXIAL CABLE AND CAT-6 TWISTED PAIR WIRE THROUGHOUT THE ENTIRE HOUSE.  
(SEE BUILDER FOR DETAILS)
3. SEE SMOKE DETECTOR AND POOL ALARM NOTES BELOW.
4. ALL ELECTRICAL SHALL BE IN ACCORDANCE TO MEET OR EXCEED -NEC 2012-

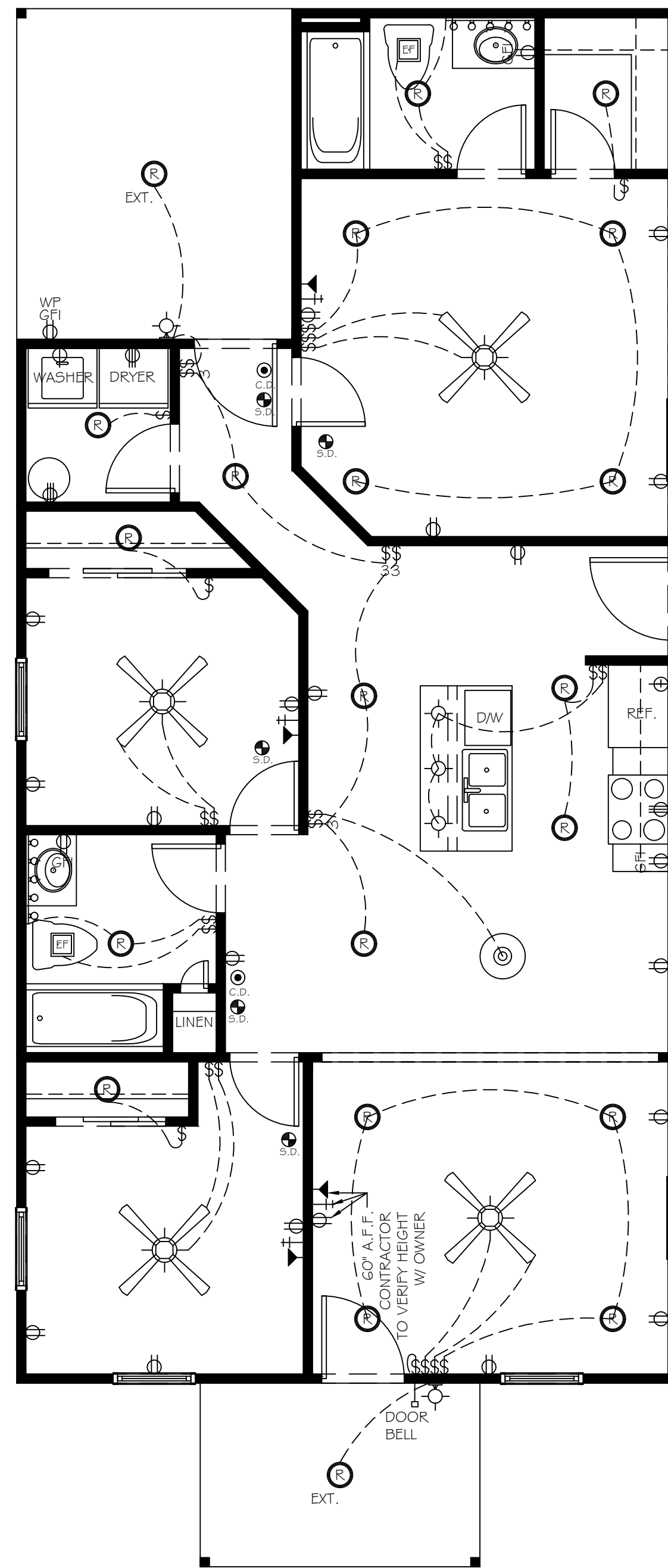
SMOKE DETECTORS POWERED BY HOUSE ELECTRIC W/ BATTERY BACKUP & INTERCONNECTED. INSTALLED IN EACH SLEEPING ROOM & IN HALL OR AREA IMMEDIATELY OUTSIDE EACH ROOM & AT HIGHEST POINT OF EACH STORY OF RESIDENCE.

NOTE:  
PROVIDE OUTLETS IN SOFFIT - COORDINATE WITH OWNER FOR LOCATION

Hard wire under cabinet lighting.  
1 IO on wall above microwave built-in cabinet for upper cabinet light plug-in (not hardwired.)  
1 IO on wall above refrigerator cabinet for upper cabinet light plug-in (not hardwired.)  
Hard wire under cabinet lighting left of the stove.  
Hard wire under cabinet lighting right of the stove.  
VENT HOOD HARDWIRE

**ELECTRICAL LEGEND**

|  |                                       |
|--|---------------------------------------|
|  | CEILING FAN                           |
|  | CEILING FAN W/ LIGHT                  |
|  | 24' X 48' FLOOR FIX.                  |
|  | 8' STRIP LIGHT @ GARAGE FLOOR FIXTURE |
|  | UNDERCOUNTER LIGHT                    |
|  | BASE CABINET FOOT LIGHTING            |
|  | TRACK LIGHT                           |
|  | BAR/CONC LIGHTING                     |
|  | ROPE LIGHTING                         |
|  | H-99 RECESS                           |
|  | EYE BALL RECESSED                     |
|  | RECESS LIGHTING                       |
|  | RECESS LIGHTING W/ VAPOR PROTECTION   |
|  | HANGING LIGHT W/ VAPOR PROTECTION     |
|  | MAIBU LIGHT                           |
|  | HANGING LIGHT FIXTURE                 |
|  | WALL SCONCE LIGHTING                  |
|  | WALL MOUNT LIGHTING                   |
|  | SPOT LIGHTS                           |
|  | EXHAUST FAN W/ LIGHT                  |
|  | EXHAUST FAN                           |
|  | DOUBLE HEAT LAMP                      |
|  | TYP. SWITCH                           |
|  | DIMMER SWITCH                         |
|  | 3-WAY SWITCH                          |
|  | 4-WAY SWITCH                          |
|  | SINGLE 110 OUTLET                     |
|  | UNDER COUNTER 110 OUTLET              |
|  | 110 OUTLET                            |
|  | HALF HOT DUPLEX 110 OUTLET            |
|  | 220 OUTLET                            |
|  | 110 G.F.I. OUTLET                     |
|  | 110 G.F.I. W.P. OUTLET                |
|  | AFC DISCONNECT                        |
|  | PUSH BUTTON                           |
|  | CABLE T.V.                            |
|  | PHONE                                 |
|  | SMOKE DETECTOR                        |
|  | CARBON MONOXIDE DETECTOR              |
|  | THERMOSTAT                            |
|  | DOOR CHIME                            |

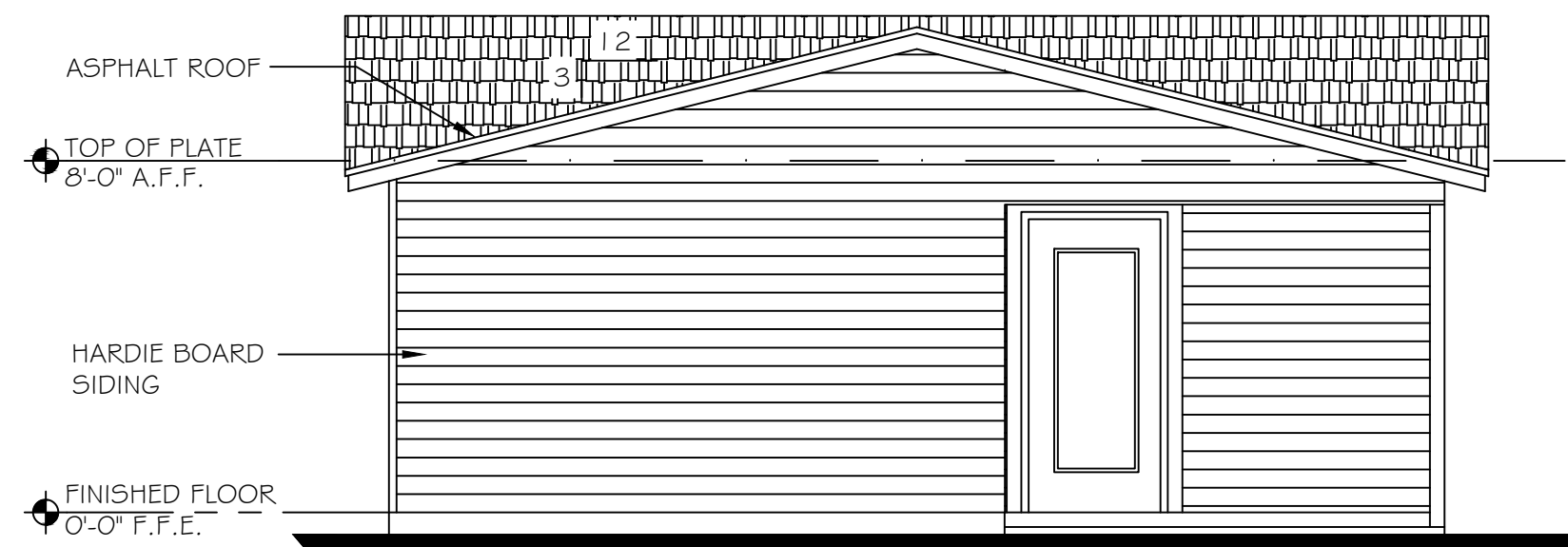


01 ELECTRICAL PLAN  
SCALE: 1/4"=1'-0"



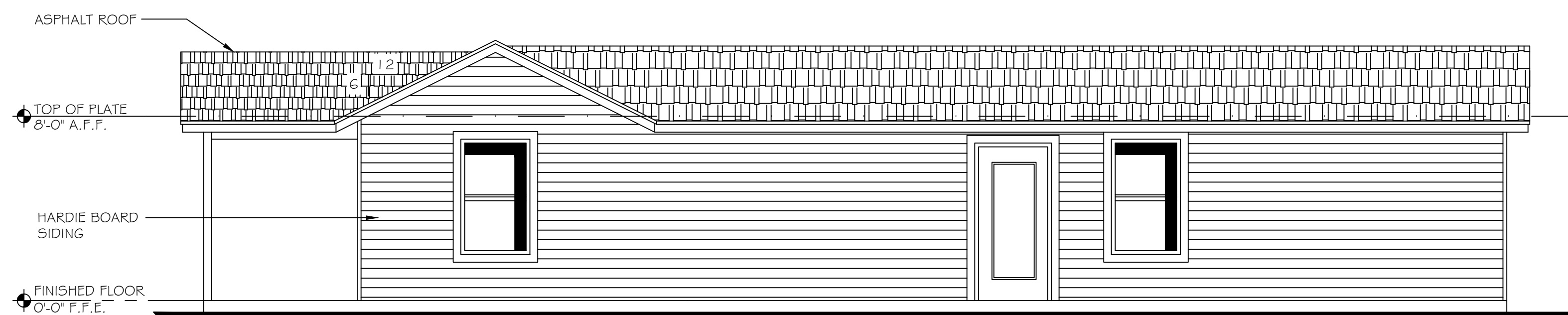
**01 FRONT ELEVATION**

SCALE: 1/4"=1'-0" NOTE: VERIFY ROOF SLOPES



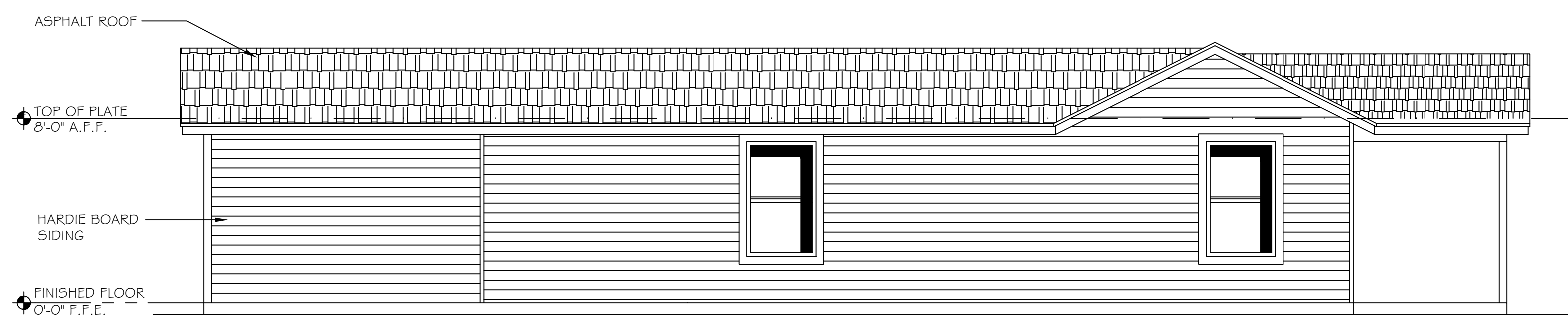
**02 REAR ELEVATION**

SCALE: 1/4"=1'-0" NOTE: VERIFY ROOF SLOPES



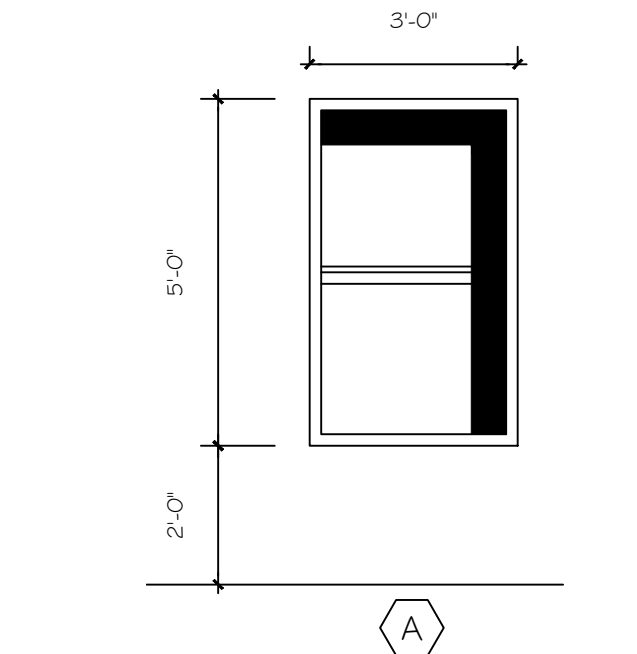
**03 RIGHT SIDE ELEVATION**

SCALE: 1/4"=1'-0"

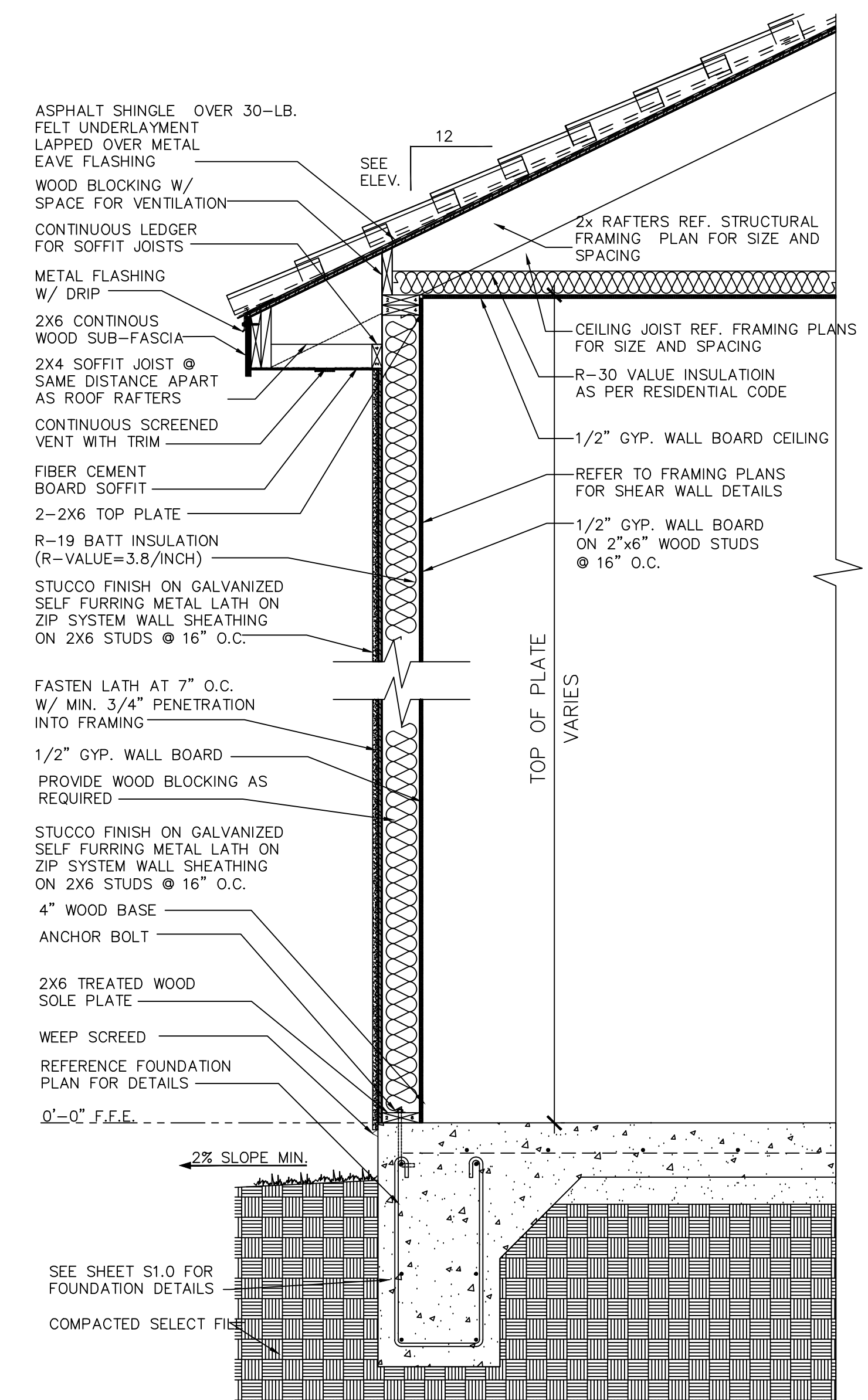


**04 LEFT SIDE ELEVATION**

SCALE: 1/4"=1'-0"



**SINGLE HUNG WINDOW SCHEDULE**  
SCALE: N.T.S.



**05 TYP. WALL SECTION**  
SCALE: N.T.S.

EXTERIOR ELEVATIONS

148 ZERM RD  
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**A3.0**